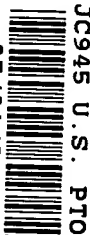


05/03/01



JC945 U.S. PTO

05-04-01

A

Law Offices of

(970) 222-0446

DEAN P. EDMUNDSON, P.C.

P. O. Box 710

Windsor, Colorado 80550

Date: May 3, 2001

Case Docket No.: 353-07

THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: Harold R. Kaufman et al.

For: IMPROVED HALL-CURRENT ION SOURCE

Enclosed are:

- ☒ 5 sheets of drawing.
- ☐ An assignment of the invention to _____
- ☐ A certified copy of a _____ application.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.

The filing fee has been calculated as shown below:

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	9 - 20 =	0
INDEP CLAIMS	8 - 3 =	5
MULTIPLE DEPENDENT CLAIM PRESENTED		

SMALL ENTITY

RATE	FEE	OR
	\$ 355	OR
X 9 =	\$	OR
X 40 =	\$	OR
\$ 135	\$	OR
TOTAL	\$	OR

OTHER THAN A
SMALL ENTITY

RATE	FEE
	\$ 710
X 18 =	\$ 0
X 80 =	\$ 400
\$ 270	\$ 0
TOTAL	\$ 1110

A check in the amount of \$ 1,110.00 to cover the filing fee is enclosed.

Respectfully submitted,

Dean P. Edmundson

Reg. No. 25,723

Attorney for Applicant

J1046 U.S. PTO
09/848644

05/03/01

Please type a plus sign (+) inside this box → ☐

Approved for use through
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/xx (6-95)
OMB 0651-0032

0002/PTO
Rev. 6/95

U.S. Department of Commerce
Patent and Trademark Office

NEW UTILITY PATENT APPLICATION TRANSMITTAL

(to be used for new applications only)

Attorney Docket Number

353-07

First Named Inventor

Kaufman

Total Pages in this Submission

51

APPLICATION ELEMENTS

Notice: Checklist items mentioned under Application Elements section construct a new utility patent application. Please refer to MPEP Sections 506, 601, (37CFR 1.77, 1.53, 35 USC 111, 112, 113) for detailed explanation regarding completeness of an original patent application.

1. ☒ Fee Transmittal Form (prescribed filing fee(s))

2. Specification

☒ Abstract of the Disclosure

☒ Title of the Invention

☐ Cross References to Related Applications
(if applicable)

☐ Statement Regarding Federally-sponsored
Research/Development (if applicable)

☐ Reference to Microfiche Appendix
(if applicable)

☒ Background of the Invention

☒ Brief Summary of the Invention

☒ Brief Description of the Drawings
(if drawings filed)

☒ Detailed Description

☒ Claim or Claims

3. ☒ Drawing(s) (when necessary as prescribed by
35 USC 113)

4. ☒ Executed Declaration

5. Genetic Sequence Submission
(if applicable, all must be included)

☐ Paper Copy

☐ Computer Readable Copy

☐ Statement Verifying Identical Paper and
Computer Readable Copy

ACCOMPANYING APPLICATION PARTS

6. ☐ Assignment Papers

7. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

8. ☐ Computer Program in Microfiche

9. ☐ English Translation Document (if applicable)

10. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS
Citations

11. ☐ Petition Checklist and Accompanying Petition

12. ☐ Preliminary Amendment

13. ☐ Proprietary Information

14. ☒ Return Receipt Postcard

15. ☐ Small Entity Statement

16. ☐ Additional Enclosures (please identify below):

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or
Individual name

Dean P. Edmundson

Signature

Dean P. Edmundson

Date

May 3, 2001

FOR OFFICIAL USE ONLY

Application Number		Class		Independent Claims	
Date of Receipt	Application Type	GAU		Total Claims	
	Filing Date	Foreign Filing License?		Drawing Sheets	
	Small Entity	Foreign Address?		Special Handling?	

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231, and to the Office of Information and Regulatory Affairs, Office of Management and Budget (Project 0651-0032), Washington DC 20503. DO NOT SEND FEES OR

0002/PTO Rev. 6/95		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
FEE TRANSMITTAL				Application Number	
				Filing Date	
				First Named Inventor Kaufman	
				Group Art Unit	
				Examiner Name	
TOTAL AMOUNT OF PAYMENT		(\$)		1,110.00	
				Attorney Docket Number 353-07	

METHOD OF PAYMENT (check one)	
<p>1 <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number _____</p> <p>Deposit Account Name _____</p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(u)</p>	<p>2 <input checked="" type="checkbox"/> Payment Enclosed: (reserved space)</p> <p><input checked="" type="checkbox"/> Check</p> <p><input type="checkbox"/> Money Order</p> <p><input type="checkbox"/> Other</p>

FEE CALCULATION (fees effective 1/1/96)																																																																																																																																																																																																																					
<p>1 FILING FEE</p> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>700</td> <td>201</td> <td>300</td> <td>Utility filing</td> <td>710</td> </tr> <tr> <td>106</td> <td>300</td> <td>206</td> <td>150</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>540</td> <td>207</td> <td>270</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>700</td> <td>208</td> <td>300</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (1)</td> <td>(\$)</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	700	201	300	Utility filing	710	106	300	206	150	Design filing fee		107	540	207	270	Plant filing fee		108	700	208	300	Reissue filing 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within third month		118	1,400	218	700	Extension for response within fourth month		119	290	219	145	Notice of Appeal		120	290	220	145	Filing a brief in support of an appeal		121	250	221	125	Request for oral hearing		138	1,430	138	1,430	Petition to institute a public use proceeding		140	110	240	55	Petition to revive unavoidably abandoned application		141	1,250	241	625	Petition to revive unintentionally abandoned application		142	1,200	242	640	Utility issue fee (or reissue)		143	420	243	210	Design issue fee		144	660	244	330	Plant issue fee		122	130	122	130	Petitions to the Commissioner		126	220	126	220	Submission of Information Disclosure Stmt		501	40	501	40	Recording each patent assignment per property (x no. properties)		?	220	?	220	Protest after application published		?	1500	?	1500	Late Claim for priority during pendency		114	150	214	75	Provisional Application filing		Other fee (specify) _____						Other fee (specify) _____						SUBTOTAL (3)					(\$)
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<p>2 CLAIMS</p> <p>Total Claims 9 - 20 = 0 X 80 = 0</p> <p>Independent Claims 8 - 3 = 5 X 80 = 400</p> <p>Multiple Dependent Claims no = 0</p> <p>LARGE ENTITY - SMALL ENTITY</p> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>102</td> <td>78</td> <td>202</td> <td>39</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>103</td> <td>22</td> <td>203</td> <td>11</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>104</td> <td>250</td> <td>204</td> <td>125</td> <td>Multiple dependent claim</td> <td></td> </tr> <tr> <td>109</td> <td>78</td> <td>209</td> <td>39</td> <td>Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>22</td> <td>210</td> <td>11</td> <td>Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (2)</td> <td>(\$)</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	102	78	202	39	Independent claims in excess of 3		103	22	203	11	Claims in excess of 20		104	250	204	125	Multiple dependent claim		109	78	209	39	Reissue independent claims over original patent		110	22	210	11	Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$)																																																																																																																																																																							
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SUBMITTED BY			Complete (if applicable)	
Typed or Printed Name	Dean P. Edmundson		Reg. Number	25723
Signature	<i>Dean P. Edmundson</i>	Date	5/3/01	Deposit Account User ID

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: HAROLD R. KAUFMAN ET AL.

Serial No: (Attorney docket 353-87) Group No.:

Filed: On or about 5/3/01 Examiner:

For: IMPROVED HALL-CURRENT ION SOURCE

Commissioner of Patents and Trademarks

Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

"Express Mail" label number ET551169959US

Date of Deposit May 3, 2001

I hereby certify that the following *attached* paper or fee

Above-identified application for patent
Declaration and Power of Attorney
5 sheets of drawings
Transmittal letter
Filing fee

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Dean P. Edmundson

(Typed or printed name of person mailing paper or fee)

Dean P. Edmundson

(Signature of person mailing paper or fee)

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